

**To:** Hawkins, Andy[hawkins.andy@epa.gov]; Keas, Ashley[Ashley.Keas@dnr.mo.gov]  
**Cc:** Wilbur, Emily[emily.wilbur@dnr.mo.gov]; Avey, Lance[Avey.Lance@epa.gov]; Algae-Eakin, Amy[Algae-Eakin.Amy@epa.gov]; Gonzalez, Larry[gonzalez.larry@epa.gov]; Jay, Michael[Jay.Michael@epa.gov]  
**From:** Vit, Wendy  
**Sent:** Tue 8/11/2015 2:20:38 PM  
**Subject:** RE: Interactive Source Question Follow Up

Hi all. I'd prefer to discuss the bigger issues as a group on the call that Larry is setting up (currently on calendars for 8/13 at 10:00 but I believe Larry is rescheduling it). Thanks for the review and good questions! Let's talk soon.

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**From:** Hawkins, Andy [mailto:hawkins.andy@epa.gov]  
**Sent:** Tuesday, August 11, 2015 9:08 AM  
**To:** Keas, Ashley  
**Cc:** Wilbur, Emily; Vit, Wendy; Avey, Lance; Algae-Eakin, Amy; Gonzalez, Larry; Jay, Michael  
**Subject:** RE: Interactive Source Question Follow Up

Thanks Ashley,

Since you asked about other issues, I did see one (maybe two) potential issue in the Sibley modeling.

I noticed in the met the winds were not randomize for the last year, which I believe was different than the 2 prior years of met processed. Section 8.3.2.2(c) of Appendix W recommends the randomized wind directions to remove the bias in NWS wind assignments. I don't believe this would not change the outcome/conclusion of the modeling however. I had challenged Lance to find this, now I've given him the answer to my challenge ☺ (sorry Lance).

Note for the Blue Valley source we need a federally enforceable document that requires the conversion to NG to have occurred and in operation by July 2, 2016, or something more than an indication from the source, otherwise the actual emissions will need to be modeled. 10 CSR 10-6.261 requires the conversion by January 1, 2017 which is not soon enough to account for in the CD boundary designations according to our current policy. So technically the current modeling demonstration would not be acceptable at this point because the emissions for BV are too low. I'm pointing this out to our respective managers as an issue that may impact the modeling but it may be resolved by a different policy interpretation here (above my pay grade).

My focus is on Labadie modeling and monitoring and proposed boundary options at this point. I'm also still interested in knowing if there were other nearby SO2 sources in the area of the Augusta monitors back in the 90's, or if those monitors were placed solely for Labadie impacts.

Thanks,

Andy

Andy Hawkins

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**From:** Keas, Ashley [<mailto:Ashley.Keas@dnr.mo.gov>]

**Sent:** Monday, August 10, 2015 3:48 PM

**To:** Hawkins, Andy

**Subject:** RE: Interactive Source Question Follow Up

Hi Andy,

You are correct. We inadvertently sent you an outdated input file since we had multiple people doing the last minute runs. I will have someone FTP the correct files to you tomorrow.

Sorry about that. Thanks for bringing it to our attention. We are correcting the modeling file Appendix too.

Please let me know if you find anything else that doesn't seem quite right.

-Ashley

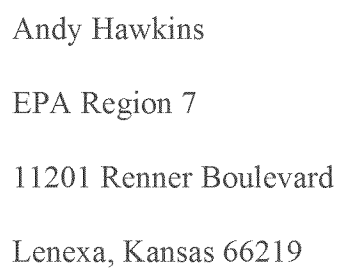
**From:** Hawkins, Andy [<mailto:hawkins.andy@epa.gov>]

**Sent:** Monday, August 10, 2015 3:43 PM

**To:** Keas, Ashley

**Subject:** RE: Interactive Source Question Follow Up

Here are the sources in arcmap for the input file I have, so receptors look fine, but the interactive sources are all bunched to the south (all new madrid I guess). So this means that Buzzi Unicem is not modeled explicitly? It's very close to the proposed attainment area to the north. In the SIP document it says Buzzi is modeled but it does not show up when I map it in the location I expect it at anyway. So please check Buzzi... could be my input file or maybe my import does not work correctly. So the new madrid locations may all be correct, maybe Buzzi is just not in the input?



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**From:** Keas, Ashley [<mailto:Ashley.Keas@dnr.mo.gov>]  
**Sent:** Monday, August 10, 2015 1:49 PM  
**To:** Hawkins, Andy  
**Subject:** Interactive Source Question Follow Up

Hi Andy,

I just wanted to make sure you received my voicemail on Friday in response to your interactive source question regarding Sikeston?

Thanks!

Ashley Keas

Environmental Engineer, EIT

Air Pollution Control Program

Missouri Department of Natural Resources

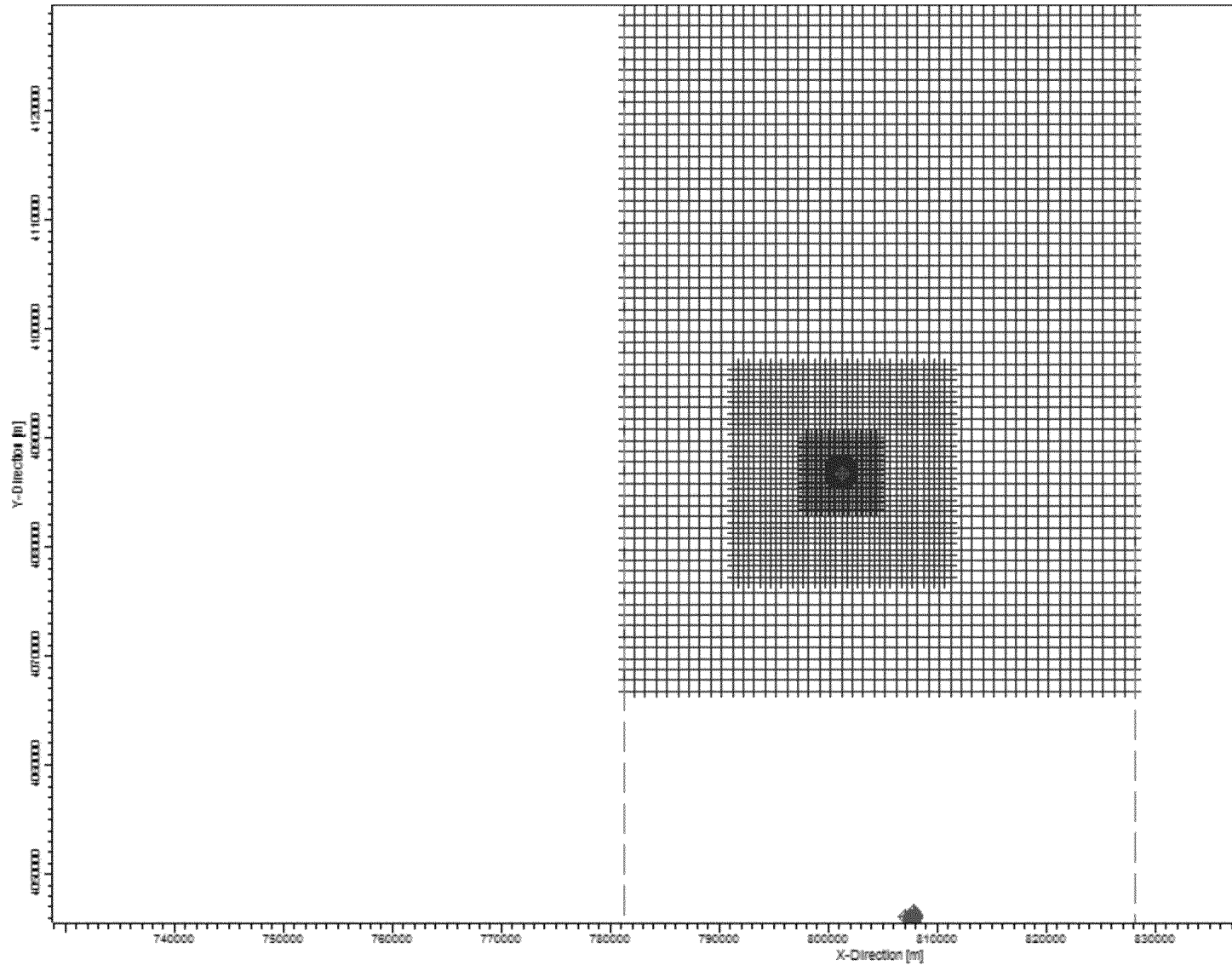
Phone: 573-526-5601

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**From:** Hawkins, Andy [<mailto:hawkins.andy@epa.gov>]  
**Sent:** Friday, August 07, 2015 10:24 AM  
**To:** Vit, Wendy; Wilbur, Emily  
**Cc:** Keas, Ashley  
**Subject:** RE: questions on submittal

Can you please verify the Sikeston interactive source locations in the AERMOD input file you

sent... the locations of the interactive sources look questionable when I import them using the supplied input file for this CD source.



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